Code 584 Project Status

AS of 5/25/04

Project	Status			Last Report	CS	Δ	SSC	Notes
	Mar	Apr	May					
On-Orbit Missions								
EO-1	G	G	G	Jun-03	0.50		20.00	Completed base validation of Autonomous Sciencecraft Experiment (ASE), working FY05 funding options.
EOSDIS	G	G	G	Mar-02	0.80			Current Aura Operational Baseline: MMS Build 15.0.2.2, Online Build 15.05 & Analysis Build 15.03 using PMDB #5, Presented EMOS status at Science Ops Readiness Rev (SORR) 5/11, Mission Rehearsal May 24-27, Launch Readiness Rev Jun 1, Flight Readiness Rev Jun 15, launch Jun 19
Hitchhiker	G	G	G	Sep-02	0.10	-0.40	0.10	Hibernation almost complete, remaining equipment ready for excess.
HST	G	G	G	Jan-04	2.10	-0.40		Two Gyro Science development effort on schedule for 2nd on-orbit test Oct04 - but likely 2-3 week delay due to CDR (now June 24) - also because Project's need for pointing control system engineering staff support for the conceptual/feasibility studies of robotic Hubble repair mission now underway. The impact will also push the 3rd/final on-orbit test to mid-Feb 05. Completion scheduled for April 05.
IMAGE, MAP	G	G	G		0.10		0.10	Nominal

Missions Under Development							
Project	**Mar**	**Apr**	**May**	**Last Report**	**CS**	**Δ**	**SSC**	**Notes**
GLAST ACD EGSE	G	G	G		1.50	0.60	1.20	Requesting more funding for contractor support. Letter being sent to SLAC for documenting software sharing. Still waiting on fully functional G3 hardware.
GLAST Operations/MOC	G	G	G	Jul-02	0.90		1.00	Started MOMS task to develop Front End Processors for GLAST at White Sands (H. Dew) - ITOS Team supporting. Successfully led Technical Evaluation of Goldbelt Orca's response to GLAST MOC RFP. GLAST FDF Detailed Design Peer Review scheduled for July 04, mission CDR Sept 04.
GPM	G	G	G		0.60			On-hold
JWST Ground Sys	G	G	G		3.30	0.20	8.00	ISIM Ground Support System (IGSS) Prototype (including Eclipse R0.1) established. IGSS SRR/SDR planned for 6/30/04. Eclipse R1.0 expected 7/30/04
JWST ICDH Test Software	G	G			0.00	-0.60	0.00	Support no longer needed. Following - up on future support requirements.
LWS/SET	G	G	G		1.75	-0.20	1.90	Preparing for Peer Review in June 04. Supporting Carrier I&T this Summer. SET1 launch possibly on ST-8 in 2007.
SDO	G	G	G		1.40		1.50	GS PDR held 4-21, 4-22. All old SDO ASIST's upgrade to Red Hat Enterprise. 7 new ASIST's and 3 FEDS's delivered 4/04. ASIST 9.4 delivered 4/04.
ST-5	Y	Y	Y		1.90		2.00	Working plan for DSN/GN support (yellow) - should be green in a couple of weeks, Delta CDR 7/21/04, MOR 9/14/04. ASIST 9.4 delivered. GMSEC requirement implementation is on schedule (end of May). Flatsat Lab successfully moved from B29 to B14.
Swift	G	G	G		0.10		0.10	Nominal
TRMM Reeng.	G	G	G		0.10			Nominal
ULDB CREAM	G	G	G		0.10		0.10	Nominal

Initiatives/Proposal Work/SEB's								
Project	*Mar*	*Apr*	*May*	*Last Report*	*CS*		*SSC*	*Notes*
Adaptive Sensor Fleet	G	G	G		0.70			Phennessy serving as Fleet Manager, Completed development of this capability: created the necessary Java classes, created interface functions to access flight dynamics path planning algorithms in "C", created Java main prog. to exercise/test above.
AETD Mentoring Program and Diversity Council	G	G	G		0.20			Continue planning for 5-year mentoring celebration. Continue to addresss goals from the 2004 AETD Diversity Council Re-treat.
AIST Proposal Winner	G	G	G	Jun-03	0.10		2.00	Conducted annual ESTO review, completed year 1 activities successfully, demonstrated receipt of S-Band data from EO-1 using adaptive arrays, working X-Band for FY 05
CCSDS Panel Support	G	G	G		0.20			Contributed to CCSDS Spring meetings May 10-14.Space Link protocols. Supporting new panel- Systems Engineering Architecture Panel
Engineering Process Group (EPG)	G	G	G		0.60			Alan Centa supporting. Planning to increase support after Aura launch.

Initiatives/Proposal Work/SEB's								

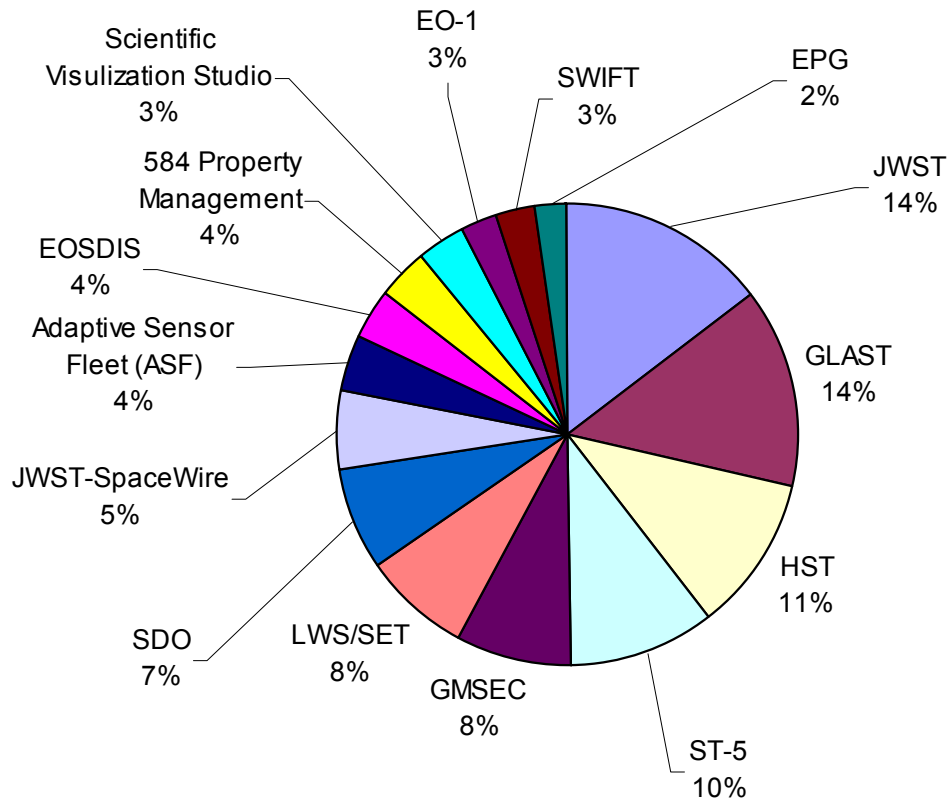| Project	Mar	Apr	May	Last Report	CS	Δ	SSC	Notes
GMSEC	G	G	G		1.50		2.00	Working with in-house team - GMSEC portal
IMDC Support	G				0.00			
METS/ESES SEB	G	G	G		0.10			ESES RFP is public; proposals due on June 7
Nexus	G				0.00			Support provided on as-needed basis
QMS Workshop	G	G	G	May-04	0.10			Workshop completed May 8, report distributed
Lunar Recon			G		0.10	0.10		Ryan Turner and Tim Ray supporting
Science Visualization Studio	G	G	G	Aug-03	0.60			Full production called the "Edge of History" was accepted to the Electronic Theater Section/SIGGRAPH 2004 conference. Completed 1 deliverable to TRMM used with several past animations supporting meeting with Discovery Channel- "Science of Hurricanes"
SensorWeb	G	G	G		0.10			Forestry Service trying to use EO-1 sensor web capability to capture fire scenes for this fire season (will purhcase up to 100 scenes), $1 million likely to come from JPL for more sensor web experiments ($500K for Goddard).
Space Wire IR&D	G	G	G		1.00		0.00	Waiting for hardware to be provided by Code 560. Working off other requirements/components until hardware is provided.

Delta

| Name	From Core Business	To Core Business	From Project	To Project	Delta	Notes
Rotherberg/ Milner	ISE-Primary Work Standard	ISE-Primary Work Standard	Hitchhiker	LWS/SET	0.4	Wrapping Up Hitchhiker Hibernation Plans
Houchens	ISE-Primary Work Standard	ISE-Primary Work Standard	JWST/ICDH	GLAST/ACD	0.6	Supporting GLAST ACD I&T
Bob O'Brien	ISE-Primary Work Standard	ISE-Primary Work Standard	JWST	JWST Ground System	0.6	Jane requested more support for procedure translation
Ryan Turner	ISE-Primary Work Standard	ISE-Primary Work Standard	HST	Management, METS Contract, LRO	0.4	Phasing off of HST
Tim Ray /Ryan Turner	ISE-Primary Work Standard	ISE-Primary Work Standard	EO-1, ST-5	LRO	0.1	Supporting LRO

Code 584 Staffing Overview – May 2004

ProjectName	LOE
JWST	2.70
GLAST	2.60
HST	2.00
ST-5	1.85
GMSEC	1.50
LWS/SET	1.40
SDO	1.35
JWST-SpaceWire	1.00
Adaptive Sensor Fleet (ASF)	0.70
EOSDIS	0.70
584 Property Management	0.65
Scientific Visulization Studio	0.60
EO-1	0.50
SWIFT	0.50
EPG	0.40

Top 15 Projects Supported

Pie chart: JWST 14%, GLAST 14%, HST 11%, ST-5 10%, GMSEC 8%, LWS/SET 8%, SDO 7%, JWST-SpaceWire 5%, Adaptive Sensor Fleet (ASF) 4%, EOSDIS 4%, 584 Property Management 4%, Scientific Visulization Studio 3%, EO-1 3%, SWIFT 3%, EPG 2%

Code 584 Staffing Overview – May 2004

Support Type	LOE
RTCC	8.40
SYSENG	3.85
II&T	2.10
MOE	2.00
MGMT	1.65
SEM	1.20
ADMIN	1.10
INST	1.10
TECRES	0.90
IAT	0.60
GSPM	0.60
HLV	0.60
SIM	0.50
- NA	0.40
TECHMGMT	0.30
TREND	0.20
OUTREACH	0.20
SYSADM	0.20
SCFS	0.10
MISSSERV	0.10

Support Type and LOE
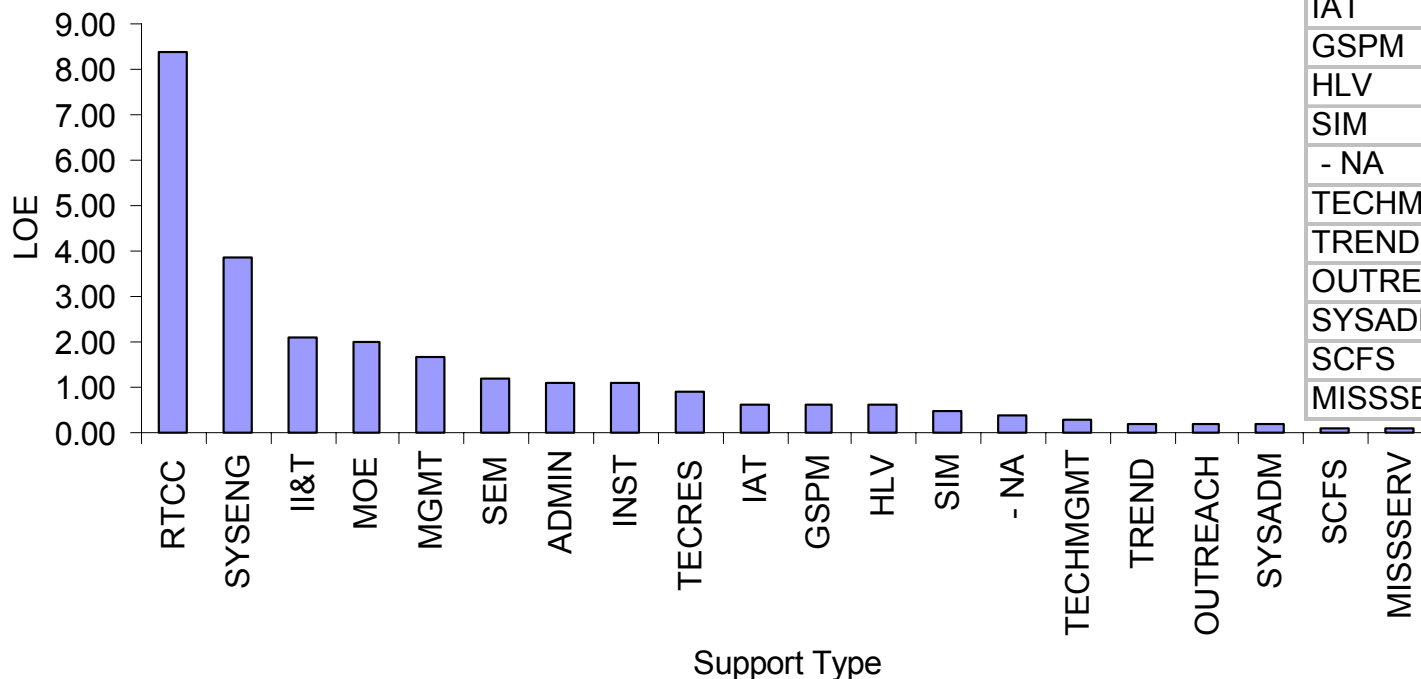
Core Business Category	Subtotal	Core Business Type		LOE
ISE	16.60	ISE-Primary Work, Standard	ISE-PWST	13.90
AISE	2.20	Management	Mgmt	2.95
ISSI	3.80	ISSI-Other	ISSI-Other	2.10
Management	2.95	ISE-Primary Work, Specialized	ISE-PWSP	1.80
AFA	0.00	AISE-Mission Request	AISE-MR	1.00
		AISE-Technology	AISE-Tech	1.00
		ISE-Directed, Standard	ISE-DRST	0.70
		ISSI-Fac Mgmt	ISSI-FM	0.60
		ISSI-Prop Mgmt	ISSI-PropM	0.40
		ISSI-Admin IT	ISSI-AIT	0.40
		ISSI-Sys Admin	ISSI-SA	0.30
		ISE-Primary Work, Standard Investment	ISE-PWSTI	0.15
		AISE-Proc Improv	AISE-PI	0.10
		AISE-Unique	AISE-U	0.10
		ISE-Directed, Specialized	ISE-DSP	0.05
		AFA	AFA	0.00
		ISE-Directed, Specialized Investment	ISE-DSPI	0.00
		ISE-Directed, Standard Investment	ISE-DRSTI	0.00
		ISE-Primary Work, Specialized Investment	ISE-PWSPI	0.00

Core Business Type & LOE

Pie chart: ISSI-FM 2%, ISSI-PropM 2%, ISSI-AIT 2%, ISE-DRST 3%, ISE-PWST 54%, AISE-MR 4%, ISE-PWSP 7%, ISSI-Other 8%, Mgmt 12%
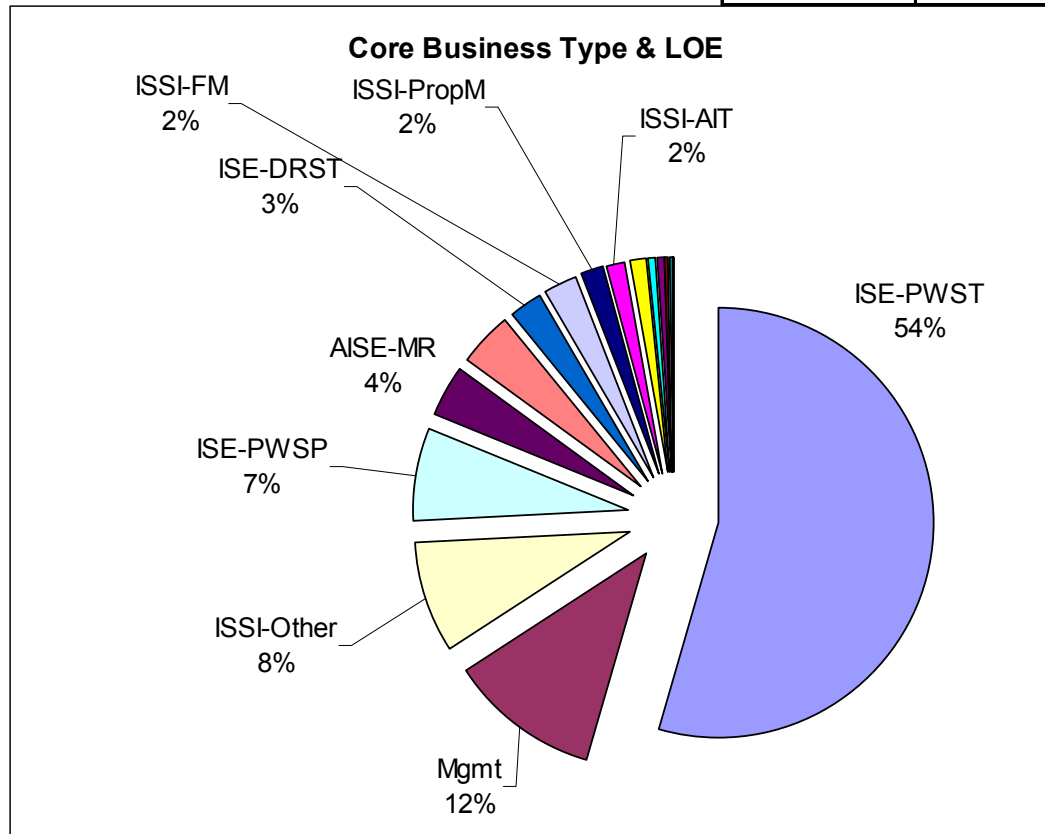
Acronyms

ACD	Anti-Coincidence Detector (GLAST)		NGN	NASA Ground Network
Cassini CIRS	Cassini Composite Infrared Spectrometer		NICMOS	Near Infrared Camera & Multi-Object Spectrometer
CCR	Configuration Change Request		OASIS	Ocean-Atmosphere Sensor Integration System
CCSDS	Consultative Committee for Space Data Systems		OMG	Object Management Group
CNES	Centre National d'Etudes Spatiales (French Space Agency)		ORR	Operational Readiness Review
CoO	Continuous Operation		OSAT	Observational Science Airborne Tracking
CPU	Central Processing Unit		PSU	Penn State University
DR	Design Requirement		RADAC	Range Data Acquisition
DRS	Disturbance Reduction System		REOC	Remote Earth Observing Control Center
DSA	Distributed Spacecraft Systems Architecture		ROWS	Radar Ocean Wave Spectrometer
EGSE	Electrical Ground Support Equipment		RTEMS	Real-time Executive Multiprocessor System
EMOS	EOS Mission Operations System		RTOS	Real-time Operating System
EO-1	Earth Observer 1		RXTE	Rossi X-ray Timing Explorer
EOS	Earth Observatory System		SAMPEX	Solar Anomalous & Magnetospheric Particle Explorer
EOSDIS	EOS Data Information System		SDO	Solar Dynamics Observatory
FAST	Flexible Autonomous Access to Station		SEB	Source Evaluation Board
FSW	Flight Software		SI C&DH	Science Instrument Command & Data Handling
GLAS	Geoscience Laser Altimeter System		SEB	Source Evaluation Board
GLAST	Gamma Ray Large Area Space Telescope		SEM	Space Experiment Module
GMSEC	GSFC Mission Services Evolution Center		SET	Space Environment Testbed
GPM	Global Precipitation Measurement		SITS	Science Instrument Test System
HABS	Harmful Algal Bloom Spectroscopy		SMEX	Small Explorer
HST	Hubble Space Telescope		SSM	Support Service Module
I&T	Integration and Test		ST-5	Space Technology 5
IMDC	Integrated Mission Design Center		ST-7	Space Technology 7
IRAC	Infrared Array Camera		STIS	Space Telescope Imaging Spectrograph
ISIM	Integrated Science Instrument Module		SWAS	Submillimeter Wave Astronomy Satellite
JWST	James Webb Space Telescope		TRACE	Transition Region and Coronal Explorer
LAT	Large Area Telescope (GLAST)		TRMM	Tropical Rainfall Measuring Mission
LISA	Laser Interferometer Space Antenna		UARS	Upper Atmosphere Research Satellite
LRTEE	Launch Range Technology Evaluation Environment		ULDB	Ultra Long Duration Balloon
LWS	Living with a Star Program		ULDB TIGER	The Trans Iron Galactic Element Recorder
MAP	Microwave Anisotropy Probe		ULDB CREAM	Cosmic Ray Energetics And Mass Balloon Experiment
MLA	Mercury Laser Altimeter		WFC3	Wide Field Camera 3
MOMS	Mission Operations and Mission Services		WIRE	Wide-Field Infrared Explorer
MRR	Mission Readiness Review		XRT	X-ray Telescope
NASDA	National Aeronautical Space Defense Agency of Japan			